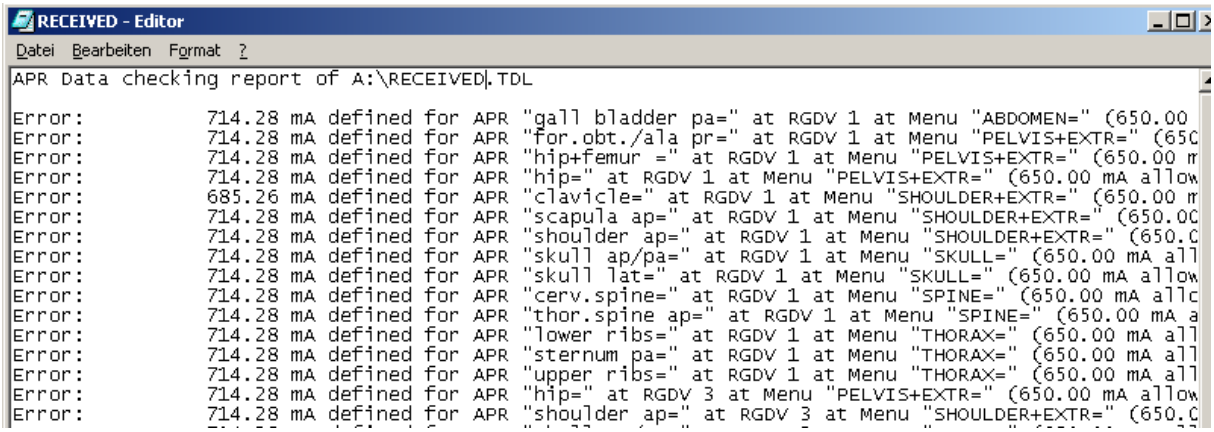
Errors after APR saving / uploading

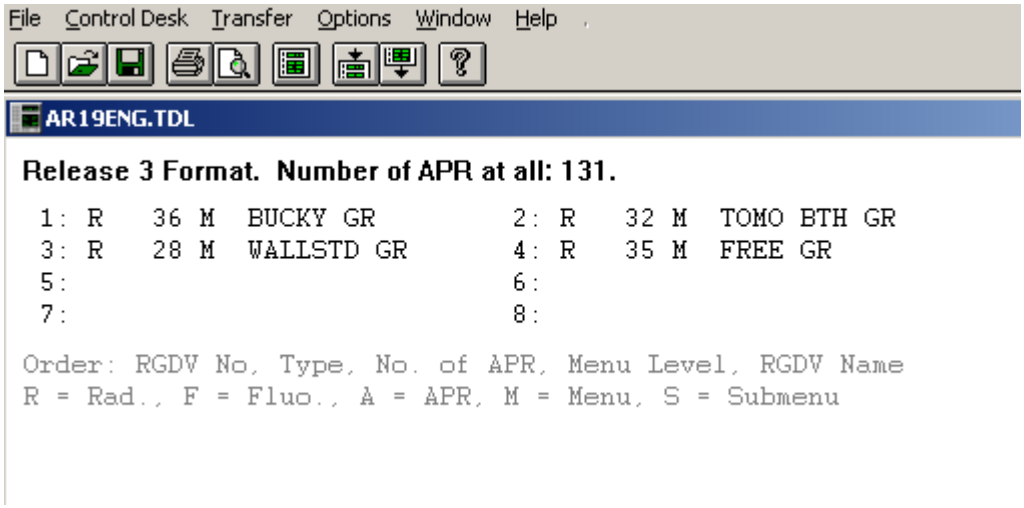
After saving or uploading APR one sometimes gets a long error list


RECEIVED - Editor
Datei Bearbeiten Format ?
APR Data checking report of A:\RECEIVED.TDL
Error: 714.28 mA defined for APR "gall bladder pa=" at RGDV 1 at Menu "ABDOMEN=" (650.00
Error: 714.28 mA defined for APR "for.obt./ala pr=" at RGDV 1 at Menu "PELVIS+EXTR=" (650
Error: 714.28 mA defined for APR "hip+femur =" at RGDV 1 at Menu "PELVIS+EXTR=" (650.00 m
Error: 714.28 mA defined for APR "hip=" at RGDV 1 at Menu "PELVIS+EXTR=" (650.00 mA allow
Error: 685.26 mA defined for APR "clavicle=" at RGDV 1 at Menu "SHOULDER+EXTR=" (650.00 m
Error: 714.28 mA defined for APR "scapula ap=" at RGDV 1 at Menu "SHOULDER+EXTR=" (650.00
Error: 714.28 mA defined for APR "shoulder ap=" at RGDV 1 at Menu "SHOULDER+EXTR=" (650.0
Error: 714.28 mA defined for APR "skull ap/pa=" at RGDV 1 at Menu "SKULL=" (650.00 mA all
Error: 714.28 mA defined for APR "skull lat=" at RGDV 1 at Menu "SKULL=" (650.00 mA allow
Error: 714.28 mA defined for APR "cerv.spine=" at RGDV 1 at Menu "SPINE=" (650.00 mA allo
Error: 714.28 mA defined for APR "thor.spine ap=" at RGDV 1 at Menu "SPINE=" (650.00 mA a
Error: 714.28 mA defined for APR "lower ribs=" at RGDV 1 at Menu "THORAX=" (650.00 mA all
Error: 714.28 mA defined for APR "sternum pa=" at RGDV 1 at Menu "THORAX=" (650.00 mA all
Error: 714.28 mA defined for APR "upper ribs=" at RGDV 1 at Menu "THORAX=" (650.00 mA all
Error: 714.28 mA defined for APR "hip=" at RGDV 3 at Menu "PELVIS+EXTR=" (650.00 mA allow
Error: 714.28 mA defined for APR "shoulder ap=" at RGDV 3 at Menu "SHOULDER+EXTR=" (650.0

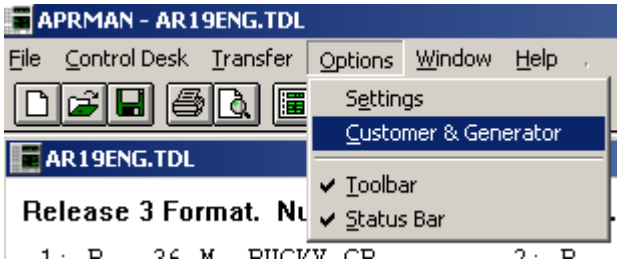
and is confused.
In most of the cases there is no problem at all, it is just a problem of the default setting of APRMAN.

Real errors are explained at the end of this document.

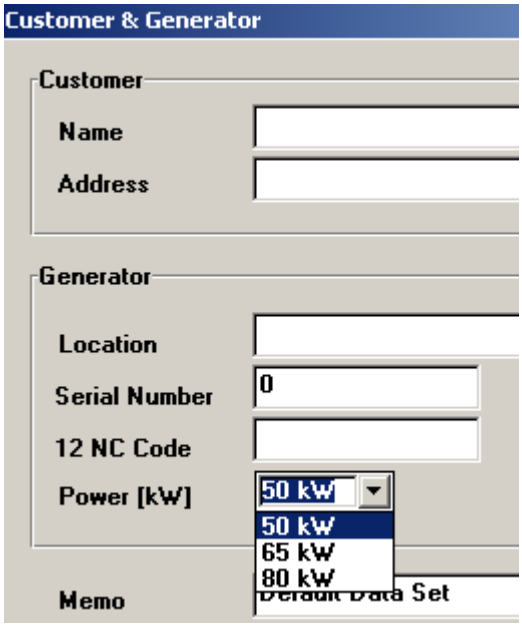
If APR data have just been downloaded from the generator (RECEIVED.TDL) or a default APR data file from the XRGSCOPE directory one gets the following screen afterwards (default APR as an example):


File Control Desk Transfer Options Window Help
AR19ENG.TDL
Release 3 Format. Number of APR at all: 131.
1: R 36 M BUCKY GR
2: R 32 M TOMO BTH GR
3: R 28 M WALLSTD GR
4: R 35 M FREE GR
5:
6:
7:
8:
Order: RGDV No, Type, No. of APR, Menu Level, RGDV Name
R = Rad., F = Fluo., A = APR, M = Menu, S = Submenu

Now select

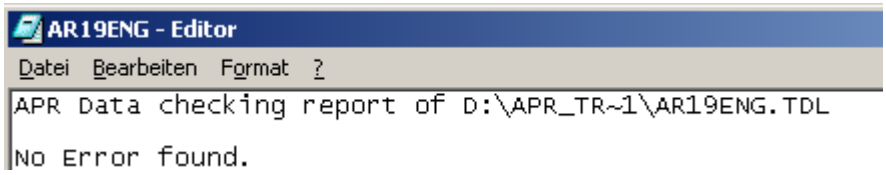


from the APRMAN command line and one gets the following screen (only part of it):



First one selects the generator power version and then one saves these data to a file or upload the data to the generator.

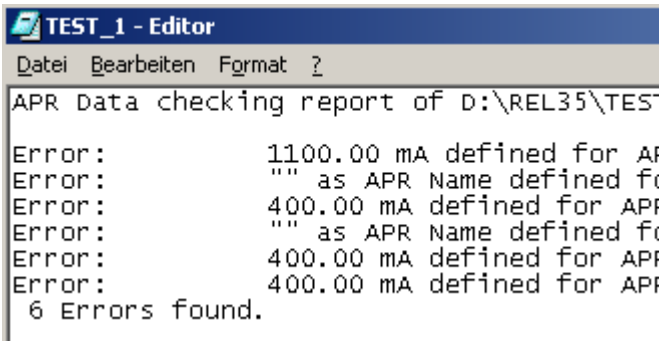
After saving APR to a e.g. **filename.TDL** one will get a text file with the same name as **filename.** file containing



instead of the long error list.

One has to know that default APR data sets will be calculated by the generator during the loading process (even though emission current error messages might come up at an editor file using APRMAN).
The calculated values will never exceed any of the default or programmed tube / generator max mA and load data.

The followings screen


TEST_1 - Editor
Datei Bearbeiten Format ?
APR Data checking report of D:\REL35\TES
Error: 1100.00 mA defined for AP
Error: "" as APR Name defined fo
Error: 400.00 mA defined for APR
Error: "" as APR Name defined fo
Error: 400.00 mA defined for APR
Error: 400.00 mA defined for APR
6 Errors found.

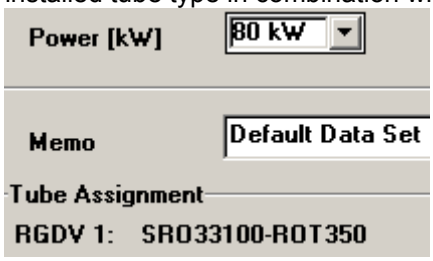
has two types of error messages.

1) The emission current set seems to be too high for some of the APR.

The complete error string for the first entry is:

1100.00 mA defined for APR "abdomen ap=" at RGDV 1 at Menu "ABDOMEN=" (987.65 mA allowed)

Such a message comes up if all APRMAN options have been used. It is possible to program the installed tube type in combination with the generator power version



The generator now calculates the max mA which is possible at the set kV value. If any default and non-calculated value increases a limit an error will be logged.

2) The complete error string for the second entry is:

"" as APR Name defined for APR "" at RGDV 1 at Menu "PELVIS+EXTR=" (1 characters minimum allowed)

It says there is no character programmed in the APR name field. This is not allowed and might cause a total hang-up at older generators in combination with Bucky Controllers.
Once such an APR is selected CU data must be erased and re-programmed from scratch.
Fix:
Either this APR gets an APR name or it will completely be deleted. One might hit the empty label key by chance an switch an exposure with settings not matching the requirements.
Another confusion of the customer might be that there is no highlighted APR.